



RECEIVED

JUN 01 2001

SEQUENCE LISTING

TECH CENTER 1600/2900

<110> Arthur Pardee, executor for Ruth Sager, deceased
Zhang, Ming

<120> TRANSCRIPTIONAL REGULATORY SEQUENCE AND USES THEREOF

<130> 00530-079003

<140> US 09/617,174

<141> 2000-07-17

<150> US 09/155,380

<151> 1998-09-28

<150> PCT/US97/05186

<151> 1997-03-28

<150> US 60/014,368

<151> 1996-03-28

<160> 20

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 1141

<212> DNA

<213> Homo sapiens

<400> 1

agataagcac agcagagaag caaccagctc cgtttcaggt cctttcctga ggctgattcg 60
gctggaaggg agtaggtccc accaaatgaa gaagctgtgg gaagacagga ggacaagaac 120
aggctccacg aagagatttc agagcagagc tgcgtactcc tttttctttt tgtttctttt 180
gctctgtcac ccaggctgaa gtacagtggg tagctcagcg ctactgcag ctttgacctc 240
ccaggctcaa gtgatcctct cgtctcagct ttccaagtaa ctgggaccac aggcatgcat 300
caccacgcta ggctattgtt ttacatTTTT tgtagagatg gggctcacc atgttgccca 360
ggttgggtctc aaactcctgg gctcaagcaa tccgtcacg tcaacctccc caaatgctgg 420
gattacaggc gtgagccacc gggccagggc tgagtaatcc taatcacagg attttaaaaa 480
gaaacttctt gcgccacca ttaaacaata tctctacca atttggtagt aaatattttg 540
ctaatagtac ctaattttta ggtaggcact gtgtttatac atatatccat tccttctttt 600
ttgattgtct ttctgtttaa tgggcagcta cctctcttgg catctagcag aatgagctgc 660
tgcagtttac acaaaaagaa tggagatcag agtacttttt gtgccacca cgtgtctgag 720
aaattttag tagttactatc atcacacatt acttttattt catcgaatat ttcaccttcc 780
ggctctgcgt gggccgagag gattgcogta cgcattgtctg tacgtatgca tgtaactcac 840
agcccttcc tgccgaaca tgttgaggc cttttggaag ctgtgcagac aacagcaact 900
tcagcctgaa tcatctcttt caattgtgga caagctgcca agaggcttga gtaggagagg 960
agtgcgcgcg aggcggggcg gggcggggcg tggagctggg ctggcagtg gctggcggt 1020
gctgccaggg tgagccaccg ctgcttctgc ccagacacgg tcgctccac atccaggtct 1080
ttgtgctcct cgcttgctg ttctttttcc acgcattttc caggataact gtgactccag 1140
g 1141

<210> 2

<211> 51

<212> DNA

<213> Artificial Sequence

<220>

<223> oligonucleotide for PCR

<400> 2

tcaccagtta tcctggaaaa tgcgtggaaa aggaacaggc aagcgaggag c

51

<210> 3

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> oligonucleotide for PCR

<400> 3

cagccccttc ctgcccgaac

20

<210> 4

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> oligonucleotide for PCR

<400> 4

gtcggggaag gacggggctt g

21

<210> 5

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> oligonucleotide for PCR

<400> 5

cagccccttt ttgcccgaac

20

<210> 6

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> oligonucleotide for PCR

<400> 6

gtcggggaaa aacgggcttg

20

<210> 7

<211> 22

<212> DNA

<213> Artificial Sequence

B/out.

<220>
<223> oligonucleotide for PCR

<400> 7
ccttgtcaga caggcaagtg cc

22

<210> 8
<211> 22
<212> DNA
<213> Artificial Sequence

<220>
<223> oligonucleotide for PCR

<400> 8
ggaacagtct gtccgttcac gg

22

<210> 9
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
<223> oligonucleotide for PCR

<400> 9
agtactctga tctccattc

19

<210> 10
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
<223> oligonucleotide for PCR

<400> 10
gaatggagat cagagtact

19

<210> 11
<211> 27
<212> DNA
<213> Artificial Sequence

<220>
<223> oligonucleotide for PCR

<400> 11
ctaggctgta caggatgttc tgcctag

27

<210> 12
<211> 27
<212> DNA
<213> Artificial Sequence

<220>
<223> oligonucleotide for PCR

cont.

<400> 12
gatccgacat gtcctacaag acggatc 27

<210> 13
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<223> oligonucleotide for PCR

<400> 13
ccttgtcaga caggcaagtc c 21

<210> 14
<211> 22
<212> DNA
<213> Artificial Sequence

<220>
<223> oligonucleotide for PCR

<400> 14
ggaacagtct grccgttcac gg 22

<210> 15
<211> 38
<212> DNA
<213> Artificial Sequence

<220>
<223> oligonucleotide for PCR

<400> 15
aactgcagtt tacacaaaaa gaatgatatc cggagtac 38

<210> 16
<211> 28
<212> DNA
<213> Artificial Sequence

<220>
<223> oligonucleotide for PCR

<400> 16
ggtggtatat ccagtgattt ttttctcc 28

<210> 17
<211> 25
<212> DNA
<213> Artificial Sequence

<220>
<223> oligonucleotide for PCR

B/cont.

<400> 17
gatccagtag tctgatctcc attcg

25

<210> 18
<211> 25
<212> DNA
<213> Artificial Sequence

<220>
<223> oligonucleotide for PCR

<400> 18
gatccgaatg gagatcagag tactg

25

<210> 19
<211> 15
<212> DNA
<213> Artificial Sequence

<220>
<223> consensus Sequence

<221> misc_feature
<222> (1)...(15)
<223> n = A,T,C or G

<400> 19
ggtacannnt gtyct

15

<210> 20
<211> 14
<212> DNA
<213> Homo sapiens

<400> 20
gtactctgat ctcc

14

B/conserved